

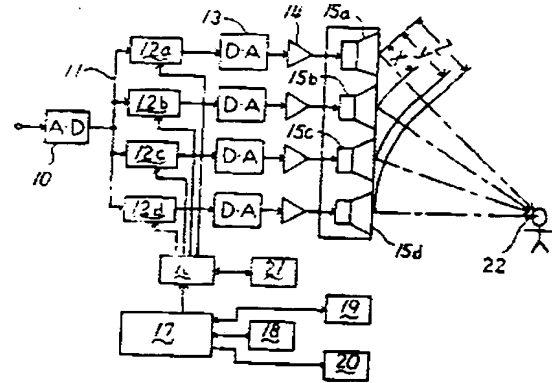
# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 02013097  
 PUBLICATION DATE : 17-01-90  
 APPLICATION DATE : 29-06-88  
 APPLICATION NUMBER : 63162047

	LOW	LMID	HMID	HIGH
CUT FREQ	80	800	8K	
SLOPE	12/6	12/6	12/6	
LEVEL	0	-6	-4	-10
PHASE	N	N	R	N
TIME	0	417	0	600
T-LEV	-10			

APPLICANT : TOA ELECTRIC CO LTD;  
 INVENTOR : TOKO TETSUYA;  
 INT.CL. : H04R 3/12 H04R 3/00  
 TITLE : DRIVE CONTROL DEVICE FOR LOUDSPEAKER SYSTEM



ABSTRACT : PURPOSE: To facilitate the fine division setting of a cross-over frequency and a signal delay time, etc., by storing plural kinds of parameter information necessary for variable-controlling a delay time into a storing part and driving plural loudspeakers with delaying signals for respective systems, respectively.

CONSTITUTION: The parameter information necessary for the variable control of the delay time is memorized into a storing part 18 composed of a ROM, etc. To plural loudspeakers 15, for a listening point 22, in making a loudspeaker 15a located at a most distant point into a reference, by a sound wave propagation time corresponding to distance differences (x), (y) and (z) mutually among them, signals to drive loudspeakers 15b-d are delayed by delaying parts 12b-d. Then, the phases of sound waves generated by respective loudspeakers 15a-d to be received at the listening point are made even. At such a time, by setting many kinds of parameter information corresponding to the delay times to the storing part 18, the fine adjustment of a signal delay time can be executed. As a result, the wave front of an arriving sound wave to the listening point 22 can be correctly adjusted.

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